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PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

July 27, 2000

(Use several sheets if necessary)

ATTORNEY DOCKET NO.
1290.1019-013APPLICATION NO.
Divisional of
09/249,011 filed
February 12, 1999APPLICANT
Man Sung Co, et al.

09/626731

FILING DATE
July 27, 2000GROUP
1644JUL 27 2000
U.S. PTO
09/626731

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
MG	AA	5,562,903	10/08/96	Co et al.	424	133.1	
	AB	5,585,089	12/17/96	Queen et al.	424	133.1	
	AC	5,622,701	04/22/97	Berg	424	153.1	
	AD	5,624,821	04/29/97	Winter et al.	435	69.6	
	AE	5,648,260	07/15/97	Winter et al.	435	252.3	
	AF	5,693,762	12/02/97	Queen et al.	530	387.3	
	AG	5,869,050	02/09/99	de Boer et al.	424	156.1	
	AH	5,397,703	03/14/95	de Boer et al.	435	172.2	
	AI	5,747,034	05/05/98	de Boer et al.	424	137.1	
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL	94/01547	20-JAN-94	WO			
	AM	95/03408	02-FEB-95	WO			
	AN	98/19706	14-MAY-98	WO			
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Azuma, M. et al., "B70 antigen is a second ligand for CTLA-2 and CD28," Nature 366:76-79 (1993).
	AS	Berzofsky, J.A. and Berkower, I.J., "Antigen-Antibody Interaction," In Fundamental Immunology, W.E. Paul eds. (NY: Raven Press), pp. 595-644 (1984).
	AT	Chen, L. et al., "Costimulation of Antitumor Immunity by the B7 Counter receptor for the T Lymphocyte Molecules CD28 and CTLA-4," Cell 71:1093-1102 (1992).

EXAMINER

GAMMEL 3/29/00

DATE CONSIDERED

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AC	AU	Co, M.S. et al., "Chimeric and Humanized Antibodies with Specificity for the CD33 Antigen," <i>The J. of Immunology</i> 148(4):1149-1154 (1992).	
	AV	Cole, M.S. et al., "Human IgG2 Variants of Chimeric Anti-CD3 Are Nonmitogenic to T cells," <i>The J. of Immunology</i> 159:3613-3621 (1997).	
	AW	Daikh, D. et al., "The CD28-B7 costimulatory pathway and its role in autoimmune disease," <i>J. of Leukocyte Biol.</i> 62:156-162 (1997).	
	AX	Ellison, J. and Hood, J., "Linkage and sequence homology of two human immunoglobulin in γ heavy chain constant region genes," <i>Proc. Natl. Acad. Sci. USA</i> 79:1984-1988 (1982).	
	AY	Engel, P. et al., "The B7-2 (B70) Costimulatory Molecule Expressed by Monocytes and Activated B Lymphocytes Is the CD86 Differentiation antigen," <i>Blood</i> 84(5):1402-1407 (1994).	
	AZ	Fleischer, J. et al., "Differential expression and function of CD80 (B7-1) and CD86 (B7-2) on human peripheral blood monocytes," <i>Immunology</i> 89:592-598 (1996).	
	AR2	Fujihara, M. et al., "Decreased Inducible Expression of CD80 and CD86 in Human Monocytes After Ultraviolet-B Irradiation: Its Involvement in Inactivation of Allogeneicity," <i>Blood</i> 87(6):2386-2393 (1996).	
	AS2	Glaser, S.M. et al., "Dissection of the Combining Site in a Humanized Anti-Tac Antibody," <i>The J. of Immunology</i> 149(8): 2607-2614 (1992).	
	AT2	He, X.-Y. et al., "Humanization and Pharmacokinetics of a Monoclonal Antibody with Specificity for Both E- and P-Selectin," <i>The J. of Immunology</i> 160:1029-1035 (1998).	
	AU2	Jeannin, P. et al., "CD86 (B7-2) on Human B Cells," <i>The J. of Biol. Chemistry</i> 272(25):15613-15619 (1997).	
	AV2	Jefferis, R. and Lund, J., "Molecular characterization of IgG antibody effector sites," <i>Department of Immunol., The Medical School, EDgbaston, Birmingham</i> , pp.115-126.	
	AW2	Levitt, M. "Molecular Dynamics of Native Protein," <i>J. Mol. Biol.</i> 168:595-620 (1983).	
	AX2	Morrisons, S.L. et al., "Complement activation and Fc receptor binding by IgG," In <i>Protein Engineering of Antibody Molecules for Prophylactic and Therapeutic Applications in Man</i> , M. Clark, eds. (England: Academic Titles), pp. 101-113 (1993).	
	AY2	Ohki, O. et al., "Functional CD86 (B7-2/B70) is predominantly expressed on Langerhans cells in atopic dermatitis," <i>British J. of Dermatology</i> 136:838-845 (1997).	
EXAMINER		DATE CONSIDERED	
Gambel 3/29/00			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
MB	AZ2	Queen, C. et al., "A humanized antibody that binds to the interleukin 2 receptor," <i>Proc. Natl. Acad. Sci. USA</i> 86:1029-1033 (1989).	
	AR3	Reiser, H. and Schneeberger, E.E., "Expression and function of B7-1 and B7-2 in hapten-induced contact sensitivity," <i>Eur. J. Immunol.</i> 26:880-885 (1996).	
	AS3	Reiser, H. and Staderker, M.J., "Costimulatory B7 Molecules in the Pathogenesis of Infection and Autoimmune Diseases," <i>Mechanisms of Disease</i> 335(18):1369-1377 (1996).	
	AT3	Rugtveit, J. et al., "Differential distribution of B7.1 (CD80) and B7.2 (CD86) costimulatory molecules on mucosal macrophage subsets in human inflammatory bowel disease (IBD)," <i>Clin. Exp. Immunol.</i> 110:104-113 (1997).	
	AU3	Shalaby, M.R. et al., "Development of Humanized Bispecific Antibodies Reactive with Cytotoxic Lymphocytes and Tumor Cells Overexpressing the HER2 Protooncogene," <i>J. Exp. Med.</i> 175:217-225 (1992).	
	AV3	Tempest, P.R. et al., "Reshaping A Human Monoclonal Antibody to Inhibit Human Respiratory Syncytial Virus Infection In Vivo," <i>Bio/Technology</i> 9:266-271 (1991).	
	AW3	Townsend, S.E. and Allison, J.P., "Tumor Rejection After Direct Costimulation of CD8 ⁺ T Cells by B7-Transfected Melanoma Cells," <i>Science</i> 259:368-369 (1993).	
	AX3	Yokozeki, H. et al., "Functional CD86 (B7-B70) on Cultured Human Langerhans Cells," <i>The Society for Investigative Dermatology, Inc.</i> 106:147-153 (1996).	
	AY3	Liu, Z-X., et al., "Increased Expression of Costimulatory Molecules on Peripheral Blood Monocytes in Patients With Crohn's Disease," <i>Scand J. Gastroenterol.</i> 32(12):1241-6 (1997).	
	AZ3	Lisa A. Damico, et al., "Pharmacokinetics of IV Administered Murine Anti-Human B7.1 and Murine Anti-Human B7.2 in Cynomolgus Monkeys" Abstract, 17th Annual Scientific Meeting, January 9, 1998.	
	AR4	Cromwell, M.A. and Goldman, S.J., Abstract: "The Human PBMC-Reconstituted Nod-Scid Mouse as model of Superantigen-Induced Human T Cell Activation," <i>Experimental Biology</i> 98 Meeting, April 22, 1998.	
RV	AS4	Bluestone, J.A., "Costimulation and its role in organ transplantation," <i>Clinical Transplantation</i> 10:104-109 (1996).	
EXAMINER		DATE CONSIDERED	
Gsmgcl 3/26/02			

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Sheet 1 of 1

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APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO GNN-5315DV2	SERIAL NO. 09/626,731
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Man Sung Co et al.	
				FILING DATE July 27, 2000	GROUP 1644

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mu</i>	B1	6,084,067	07/00	Freeman et al.	530	350	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B2	WO 95/34320	12/95	PCT				
	B3	WO 96/14865	05/96	PCT				

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

	B4	Alegre, M-L. et al., Immunomodulation of transplant rejection using monoclonal antibodies and soluble receptors," <i>Digestive Diseases and Sciences</i> , 40(1):58-64 (1995)
	B5	Bree, A.G. et al., "Humanized anti-B7-1 and anti-B7-2 antibodies prevent antigen specific induction of immunity in nonhuman primates immunized with tetanus toxoid and mumps virus vaccine," <i>Blood</i> , 94(10) Suppl. 1 part 1, p. 439a (1999)
	B6	Hathcock, K.S. et al., "Role of the CD28-B7 costimulatory pathways in T cell-dependent B cell responses," <i>Advances in Immunology</i> , 62:131-166 (1996)
	B7	Lenschow, D.J. et al., "Differential effects of anti-B7-1 and anti-B7-2 monoclonal antibody treatment on the development of diabetes in the nonobese diabetic mouse," <i>J. Exp. Med.</i> , 181:1145-1155 (1995)
	B8	Lenschow, D.J. et al., "Inhibition of transplant rejection following treatment with anti-B7-2 and anti-B7-1 antibodies," <i>Transplantation</i> , 60:1171-1178 (1995)
<i>mu</i>	B9	Wettendorff, M. et al., "Generation of humanized Fab fragments of B7-24 mAb, an antibody with potential use in the prevention of graft rejection and development of graft-versus-host disease," <i>Med. Fac. Landbouwkundige en toegepaste biologische</i> , 60:2057-2063 (1995)
Examiner <i>GAMBER 3/29/01</i>		
Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		